

Technical data sheet for ALLPROTECT by Landolt.com™ RED

updated: August 2019

Product description

ALLPROTECT by Landolt.com™ RED



Allprotect (RED) is made of an exceptionally strong nonwoven with a non-slip surface and an impermeable adhesive reverse side. It is designed to strongly protect underlying surfaces against most mechanical impacts and liquids and may be applied on most surfaces.* Because of its strong adhesion, it can be used both horizontally and vertically.

Characteristic properties

Nonwoven material	Polypropylene
Reverse side material	PE film with pressure sensitive acrylic coating
Weight	350 g/m ² (+/- 10%)
Thickness	> 2.0 mm
Colour	mottled grey

Technical performance

Tensile strength MD/CD EN ISO 10319	> 20kN/m / 30kN/m
Elongation MD / CD EN ISO 10319	75% / 75% (+/- 10%)
Static puncture resistance (CBR-Test) DIN EN ISO 12236-2006	4 kN (+/- 10%)
Dynamic perforation resistance (Cone drop) DIN ISO 13433	10 mm (+/- 10%)
Solvent / Liquid resistance	The product has been successfully tested to protect underlying materials against water, motor oil, grease, standard cleaners, WD-40, Methyl Ethyl Ketone (skydrol chemical) and others.*
UV resistance adhesion side (if used on glass or other transparent material)	Up to 2 months.*
Adhesion AFERA 5001	110 cN/cm (+/- 10%)
Water absorption ability DIN ISO 53923	> 400% by weight

Applications



Allprotect RED provides temporary surface protection for floors, stairs, walls, and various objects. It can be easily cut to desired shapes. It is easy to clean and reusable as long as the adhesive backing is undamaged and free of dirt or dust.

Storage / Before use

Our product's shelf life highly depends on storage conditions. The product must be stored in original packaging, in dry conditions and around room temperature. **Avoid direct sunlight exposure, temperatures above 40° C and below freezing point during storage.** We recommend acclimatization to room temperature prior to application.

Application Instructions

Immediately prior to application, the surface must be cleaned and dried to ensure removal of dust, oils, solvents and condensation (moisture). Place the product with the adhesive side facing the underlying surface. Adhesion is dependent upon the amount of adhesive-to-surface contact developed. Firm application pressure develops increased adhesive contact. Ideal surface temperature range is 5° C to 40° C (41° F to 104° F). Using the product in lower surface temperatures may reduce adhesion force. Higher surface temperatures may lead to an unwanted transfer of the adhesion coating to the underlying surface.

The life span of the product can vary significantly depending on individual factors such as the product's exposure to wear and tear, the underlying surface, and environmental factors during usage. Therefore, Landolt cannot grant any specific warranty periods and recommends to examine the product and the underlying surface every two to four weeks (depending on underlying surface, environmental conditions and exposure of the product)*.

Additional product information

Allprotect (RED) contains no volatile organic components (VOC's), respiratory protection is not required under normal use conditions. The product is thermally disposable. **Attention - The product is flammable!**

(please see next page for further important notes)

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*Important Notes on Product Use

Many factors beyond Landolt's control and uniquely within user's knowledge and control can affect the use and performance of this product in a particular application. Given the variety of factors that affect the use and performance of the product, before use **trial use on test surfaces is strongly recommended**. The user is solely responsible for evaluating the product under original conditions and determining whether it is fit for a particular purpose and suitable for user's method of application.

This includes, but is not limited to, performance of the adhesion backing and compatibility with the underlying surface. When using the product on sensitive surfaces such as polished metal, we recommend additional examinations before and during use. Should unwanted residues on glass or metal surfaces occur, we recommend a cleaning agent based on isopropanol and citrus peels extract.

Further important notes:

- The product is almost impermeable, take care when using it on surfaces with a potential evaporation.
- Careful testing of the product's durability against solvents/liquids other than ones stated above is strongly recommended.
- The product is toxicologically harmless, however it is not intended for contact with food.

Important: Do not use this product on moving parts. Remove the product completely from all areas of the aircraft or vehicle, including interior spaces, before you use or move the aircraft or vehicle and before you start their engines. The airstream may result in the detachment of Allprotect which could lead to severe damages and injuries.

Important Notes on Technical Information

The technical information, recommendations and other informations contained in this document are based on our own tests and experiences, which we deem reliable, but for which we can not assume any guarantee or liability. The data given are average values established by our laboratories and external testing institutes. They may display minor deviations due to testing equipment variations. We reserve the right to make changes without prior notification.

Limitation of Liability / Warranty

Unless an additional warranty has been explicitly provided, Landolt only warrants that Allprotect (RED) meets the product specifications mentioned in this document at the time of shipment. Landolt assumes no other warranties or obligations that may arise from any action with, or application of, the product. Landolt disclaims all statutory and implied warranties, including without limitation, warranties of merchantability and fitness for a particular purpose and warranties against hidden or latent defects, to the extent permitted by law. If the product does not comply with these specifications, Landolt has the option of either making a replacement delivery or refunding the purchase price.

Except as provided in this warranty and to the maximum extent permitted by law, Landolt is not responsible for direct, special, incidental or consequential damages resulting from any breach of warranty or condition, or under any other legal theory, including but not limited to loss of use; loss of revenue; loss of actual or anticipated profits; loss of the use of money; loss of anticipated savings; loss of business; loss of opportunity; loss of goodwill; loss of reputation; or any indirect or consequential loss or damage howsoever caused including the replacement of equipment and property. Under no circumstances shall landolt's liability arising from or relating to the purchase of this product exceed, in the aggregate, the purchase price for the goods ordered hereunder.

The foregoing limitation shall not apply to any statutory liability for intentional and gross negligent acts and/or omissions. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

Any disputes arising from the business relationship with Landolt fall under the jurisdiction of the Ordinary Courts at the place of residence of the company (CH 8752 Näfels). Swiss law is applicable.



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